

## Product datasheet for **TA800401AM**

### **A4GNT Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1F7]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1F7
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:500
<b>Reactivity:</b>	Human, Dog, Rat, Monkey, Mouse
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 121-340 of human A4GNT (NP_057245) produced in E.coli.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	39.3 kDa
<b>Gene Name:</b>	alpha-1,4-N-acetylglucosaminyltransferase
<b>Database Link:</b>	<a href="#">NP_057245</a> <a href="#">Entrez Gene 333424 Mouse</a> <a href="#">Entrez Gene 685758 Rat</a> <a href="#">Entrez Gene 485683 Dog</a> <a href="#">Entrez Gene 716512 Monkey</a> <a href="#">Entrez Gene 51146 Human</a> <a href="#">Q9UNA3</a>
<b>Background:</b>	This gene encodes a protein from the glycosyltransferase 32 family. The enzyme catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans. It forms a unique glycan, GlcNAc $\alpha$ 1 $\rightarrow$ 4Gal $\beta$ $\rightarrow$ R and is largely associated with the Golgi apparatus membrane. [provided by RefSeq, Jul 2008]

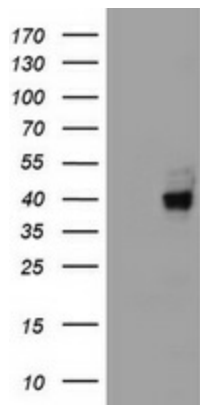


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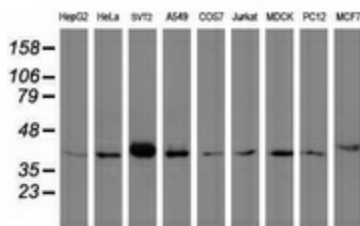
Synonyms: alpha4GnT

Protein Families: Transmembrane

**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY A4GNT ([RC221256], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-A4GNT. Positive lysates [LY414153] (100ug) and [LC414153] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-A4GNT monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).